



*Public Works  
Department*

*Administration*

1010 Tenth Street  
Suite 4500  
P.O. Box 642  
Modesto, CA 95353  
209/577-5213  
209/571-5521 Fax

*Water Quality  
Control Facility*

1221 Sutter Ave.  
Modesto, CA 95351

*Primary  
Wastewater  
Treatment*

209/577-6300  
209/525-9311 Fax

*Wastewater  
Collections*

209/577-6200  
209/525-9311 Fax

*Environmental  
Compliance*

209/577-6377  
209/577-6290 Fax

*Secondary  
Wastewater  
Treatment*

7007 Jennings Road  
Modesto, CA 95358  
209/538-3256  
209/538-4220 Fax

April 27, 2012

Mr. James Marshall, P.E.  
Senior Engineer  
Water Quality Control Engineer  
California Water Quality Control Board  
Central Valley Division  
11020 Sun Center Drive, #200  
Rancho Cordova CA 95870-6114

**SUBJECT: CITY OF MODESTO WATER QUALITY CONTROL  
FACILITY PRELIMINARY DRAFT WASTE DISCHARGE  
REQUIREMENTS NPDES PERMIT NO. CA0079103**

Dear Mr. Marshall:

We appreciate the efforts of you and your staff in preparing the Central Valley Regional Water Quality Control Board's (Regional Board) Tentative *Waste Discharge Requirements for the City of Modesto Water Quality Control Facility* (WQCF, NPDES No. CA0079103). We respectfully re-submit the Dilution and Mixing Zone Study.

**DILUTION AND MIXING ZONE STUDY**

Included as Attachment 1 to this letter is the revised mixing zone and dilution analysis prepared by the City's consultant to address the human health water quality objective dilution granted in the permit. Provision VI.C.2.b. of the Tentative Order requires that the City perform this study prior to February 2014, however, in the interest of completeness and to support adoption of the Tentative Order, the City submits the study report with this letter. Revisions were included to also consider tertiary-only critical discharge conditions. These scenarios were analyzed, but not reported in the report previously submitted to you. *The City requests that Provision VI.C.2.b. be removed from the permit and the Fact Sheets updated accordingly to reflect completion of this requirement.*

Mr. James Marshall  
April 16, 2012  
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Thank you again for your work on the Tentative Order and do not hesitate to contact Laura Anhalt (209-577-6224) or me if you have additional questions or requests.

Regards,



Gary Dejesus  
Deputy Director, Public Works  
Tel: 209-577-6255

cc: Laura Anhalt, City of Modesto  
Tom Sinclair, City of Modesto  
William Wong, City of Modesto  
Brian Laurensen, Larry Walker Associates